

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
501296.01 (30266/US)APPLICATION NO.
10/773,583

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Douglas A. Larson and Jeffrey J. Cronin

FILING DATE

February 5, 2004

GROUP ART UNIT

2186

FEB 16 2006

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	3,742,253	06/26/73	Kronies	307	247	
	AB	4,831,520	05/16/89	Rubinfeld et al.	364	200	
	AC	5,313,590	05/17/94	Taylor	395	325	
	AD	5,687,325	11/11/97	Chang	395	284	
	AE	6,038,630	03/14/00	Foster et al.	710	132	
	AF	6,067,649	05/23/00	Goodwin	714	718	
	AG	6,487,556 B1	11/26/02	Downs et al.	707	101	
	AH	6,904,556 B2	06/07/05	Walton et al.	714	766	
	AI	6,947,672 B2	09/20/05	Jiang et al.	398	135	
	AJ	2004/0128449 A1	07/01/04	Osborne et al.	711	137	
	AK	2005/0166006 A1	07/28/05	Talbot et al.	711	105	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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FORM PTQ-1449
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA 6,910,109 B2	06/21/05	Holman et al.	711	156	
↓	AB 2003/0217223 A1	11/20/03	Nino, Jr. et al.	711	105	
	AC					
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	4,608,702	08/26/86	Hirzel et al.	375	110	
	AB	4,891,808	01/02/90	Williams	370	112	
	AC	5,748,616	05/05/98	Riley	370	242	
	AD	6,208,180 B1	03/27/01	Fisch et al.	327	141	
	AE	6,889,304 B2	05/03/05	Perego et al.	711	170	
	AF	2003/0227798 A1	12/11/03	Pax	365	189.12	
	AG						
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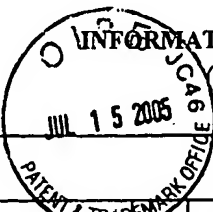
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 <p>INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)</p>				APPLICANT(S) Douglas A. Larson and Jeffrey J. Cronin			
				FILING DATE February 5, 2004		GROUP ART UNIT 2186	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DD	AA 5,327,553	07/05/94	Jewett et al.	395	575		
	AB 5,706,224	01/06/98	Srinivasan et al.	365	49		
	AC 6,131,149	10/10/00	Lu et al.	711	167		
	AD 6,219,725 B1	04/17/01	Diehl et al.	710	26		
	AE 6,286,083 B1	09/04/01	Chin et al.	711	151		
	AF 6,493,803 B1	12/10/02	Pham et al.	711	147		
	AG 6,564,329 B1	05/13/03	Cheung et al.	713	322		
	AH 6,665,202 B2	12/16/03	Lindahl et al.	365	49		
	AI 6,845,409 B1	01/18/05	Talagala et al.	710	20		
	AJ 2003/0149809 A1	08/07/03	Jensen et al.	710	22		
	AK 2004/0044833 A1	03/04/04	Ryan	711	5		
	AL 2004/0236885 A1	11/25/04	Fredriksson et al.	710	100		
	AM 2005/0044327 A1	02/24/05	Howard et al.	711	147		
	AN						
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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EXAMINER S2				DATE CONSIDERED 3/7/06			
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U.S. PATENT DOCUMENTS							
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DD ↓	AA	4,953,930	09/04/90	Ramsey et al.	350	96.11	
	AB	5,987,196	11/16/99	Noble	385	14	
	AC	6,715,018 B2	03/30/04	Farnworth et al.	710	300	
	AD	6,811,320 B1	11/02/04	Abbott	385	58	
	AE	6,821,029 B1	11/23/04	Grung et al.	385	92	
	AF	2004/0126115 A1	07/01/04	Levy et al.	398	116	
	AG	2004/0144994 A1	07/29/04	Lee et al.	257	200	
	AH						
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FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DD	AK	2001265539 A	09/28/01	Japan (+ English Abstract)		X	
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EXAMINER <i>22</i>				DATE CONSIDERED <i>3/7/06</i>			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	6,031,241	02/29/00	Silfvast et al.	250	504 R	
	AB	6,076,139	06/13/00	Welker et al.	711	104	
	AC	6,134,624	10/17/00	Burns et al.	710	131	
	AD	2005/0071542 A1	03/31/05	Weber et al.	711	105	
	AE						
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FOREIGN PATENT DOCUMENTS

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							YES	NO
DD	AK	WO 02/27499 A2	04/04/02	PCT				
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DD	AA	4,240,143	12/16/80	Besemer et al.	364	200	
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
	AE	4,724,520	02/09/88	Athanas et al.	364	200	
	AF	4,930,128	05/29/90	Suzuki et al.	371	12	
	AG	5,269,022	12/07/93	Shinjo et al.	395	700	
	AH	5,317,752	05/31/94	Jewett et al.	395	750	
	AI	5,461,627	10/24/95	Rypinski	370	95.2	
	AJ	5,577,220	11/19/96	Combs et al.	395	416	
	AK	5,715,456	02/03/98	Bennett et al.	395	652	
	AL	5,832,250	11/03/98	Whittaker	395	471	
	AM	5,966,724	10/12/99	Ryan	711	105	
	AN	5,978,567	11/02/99	Rebane et al.	395	200.49	
	AO	6,023,726	02/08/00	Saksena	709	219	
	AP	6,098,158	08/01/00	Lay et al.	711	162	
	AQ	6,191,663 B1	02/20/01	Hannah	333	17.3	
	AR	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AS	6,249,802 B1	06/19/01	Richardson et al.	709	200	
	AT	6,405,280 B1	06/11/02	Ryan	711	105	
	AU	6,434,696 B1	08/13/02	Kang	713	2	
	AV	6,438,622 B1	08/20/02	Haghighi et al.	710	1	
	AW	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
	AX	6,453,393 B1	09/17/02	Holman et al.	711	154	

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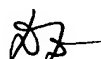
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DD	AY	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
	AZ	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
	BA	6,598,154 B1	07/22/03	Vaid et al.	712	237	
	BB	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
	BC	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	
	BD	6,658,509 B1	12/02/03	Bonella et al.	710	100	
	BE	6,697,926 B2	02/24/04	Johnson et al.	711	167	
	BF	6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
	BG	6,728,800 B1	04/27/04	Lee et al.	710	54	
	BH	6,735,682 B2	05/11/04	Segelken et al.	711	220	
	BI	6,754,812 B1	06/22/04	Abdallah et al.	712	234	
	BJ	6,760,833 B1	07/06/04	Dowling	712	34	
	BK	6,775,747 B2	08/10/04	Venkatraman	711	137	
	BL	6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	BM	6,792,496 B2	09/14/04	Aboulencin et al.	710	306	
	BN	6,795,899 B2	09/21/04	Dodd et al.	711	137	
	BO	6,799,268 B1	09/28/04	Boggs et al.	712	228	
	BP	6,804,760 B2	10/12/04	Williams	711	170	
	BQ	6,807,630 B2	10/19/04	Lay et al.	713	2	
	BR	6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	BS	6,823,023 B1	11/23/04	Hannah	375	296	
	BT	2001/0039612 A1	11/08/01	Lee	713	2	
	BU	2002/0116588 A1	08/22/02	Beckert et al.	711	161	
	BV						

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	BW							
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OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	CB	Intel, "Flash Memory PCI Add-In Card for Embedded Systems", Application Note AP-758, September, 1997, pp. i-13.
	CC	Shanley, T. et al., "PCI System Architecture", Third Edition, Mindshare, Inc., 1995, pp. 24-25.
	CD	
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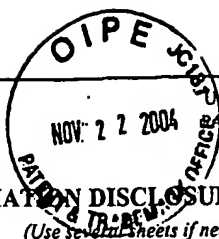
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DD	AA	4,707,823	11/17/87	Holdren et al.	370	1	
	AB	5,241,506	08/31/93	Motegi et al.	365	210	
	AC	5,243,703	09/07/93	Farmwald et al.	395	325	
	AD	5,319,755	06/07/94	Farmwald et al.	395	325	
	AE	5,355,391	10/11/94	Horowitz et al.	375	36	
	AF	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AG	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AH	5,502,621	03/26/96	Schumacher et al.	361	760	
	AI	5,566,325	10/15/96	Bruce, II et al.	395	494	
	AJ	5,581,767	12/03/96	Katsuki et al.	395	800	
	AK	5,606,717	02/25/97	Farmwald et al.	395	856	
	AL	5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AM	5,819,304	10/06/98	Nilsen et al.	711	5	
	AN	5,928,343	07/27/99	Farmwald et al.	710	104	
	AO	5,973,935	10/26/99	Schoenfeld et al.	361	813	
	AP	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	AQ	6,029,250	02/22/00	Keeth	713	400	
	AR	6,061,296	05/09/00	Ternullo, Jr. et al.	365	233	
	AS	6,125,431	09/26/00	Kobayashi	711	154	
	AT	6,175,571 B1	01/16/01	Haddock et al.	370	423	
	AU	6,185,352 B1	02/06/01	Hurley	385	114	
	AV	6,247,107 B1	06/12/01	Christie	711	216	
	AW	6,294,937 B1	09/25/01	Crafts et al.	327	158	
	AX	6,370,068 B2	04/09/02	Rhee	365	196	

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DD	AY	6,401,213 B1	06/04/02	Jeddeloh	713	401	
	AZ	6,430,696 B1	08/06/02	Keeth	713	503	
	BA	6,434,736 B1	08/13/02	Schaecher et al.	716	17	
	BB	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	BC	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	BD	6,629,220 B1	09/30/03	Dyer	711	158	
	BE	6,646,929 B1	11/11/03	Moss et al.	365	194	
	BF	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	BG	6,667,895 B2	12/23/03	Jang et al.	365	63	
	BH	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	BI	6,724,685 B2	04/20/04	Braun et al.	365	233	
	BJ	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	BK	6,745,275 B2	06/01/04	Chang	710	305	
	BL	6,751,703 B2	06/15/04	Chilton	711	113	
	BM	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	BN	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	BO	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	BP	6,799,246 B1	09/28/04	Wise et al.	711	117	
	BQ	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	BR	6,816,947 B1	11/09/04	Huffman	711	151	
	BS	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	BT	2003/0093630 A1	05/15/03	Richard et al.	711	154	
	BU	2003/0163649 A1	08/28/03	Kapur et al.	711	146	
	BV	2003/0177320 A1	09/18/03	Sah et al.	711	158	

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	BW	2003/0193927 A1	10/16/03	Hronik	370	351	
DD	BX	2004/0022094 A1	02/05/04	Radhakrishnan et al.	365	200	
	BY						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DD	CD	WO 93/19422	09/30/93	PCT				
DD	CE	EP0849685A2	06/24/98	EP				
	CF							
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OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
501296.01 (30266/US)APPLICATION NO.
10/773,583

INFORMATION DISCLOSURE STATEMENT

AUG 16 2004

Patent & Trademark Office (if necessary)

APPLICANT(S)

Douglas A. Larson and Jeffrey J. Cronin

FILING DATE

February 5, 2004

GROUP ART UNIT

2186

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	4,045,781	08/30/77	Levy et al.	364	200	
	AB	5,479,370	12/26/95	Furuyama et al.	365	189.12	
	AC	5,729,709	03/17/98	Harness	395	405	
	AD	5,875,454	02/23/99	Craft et al.	711	113	
	AE	6,186,400 B1	02/13/01	Dvorkis et al.	235	462.45	
	AF	6,243,831 B1	06/05/01	Mustafa et al.	714	24	
	AG	6,256,692 B1	07/03/01	Yoda et al.	710	104	
	AH	6,438,668 B1	08/20/02	Esfahani et al.	711	165	
	AI	6,681,292 B2	01/20/04	Creta et al.	711	119	
	AJ						

FOREIGN PATENT DOCUMENTS

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							YES	NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DD	AP	"Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory]
	AQ	

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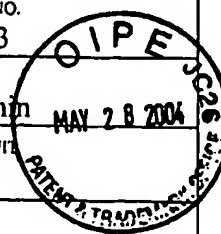
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	5,544,319	08/06/96	Acton et al.	395	200.07	
	AB	5,822,255	10/13/98	Uchida	365	194	
	AC	6,033,951	03/07/00	Chao	438	253	
	AD	6,079,008	06/20/00	Clery, III	712	11	
	AE	6,392,653 B1	05/21/02	Malandain et al.	345	501	
	AF	6,636,110 B1	10/21/03	Ooishi et al.	327	565	
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FOREIGN PATENT DOCUMENTS

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	6,462,978 B2	10/08/02	Shibata et al.	365	63	
	AB						
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	AG						
	AH						
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FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC	5,442,770	08/15/95	Barratt	395	403	
	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
	AF	5,818,844	10/06/98	Singh et al.	370	463	
	AG	5,875,352	02/23/99	Gentry et al.	395	843	
	AH	6,061,263	05/09/00	Boaz et al.	365	51	
	AI	6,067,262	05/23/00	Irrinki et al.	365	201	
	AJ	6,073,190	06/06/00	Rooney	710	56	
	AK	6,105,075	08/15/00	Ghaffari	710	5	
	AL	6,137,709	10/24/00	Boaz et al.	365	51	
	AM	6,144,587	11/07/00	Yoshida	365	189.05	
	AN	6,167,465	12/26/00	Parvin et al.	710	22	
	AO	6,167,486	12/26/00	Lee et al.	711	120	
	AP	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AQ	6,233,376 B1	05/15/01	Updegrove	385	14	
	AR	6,243,769 B1	06/05/01	Rooney	710	56	
	AS	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
	AT	6,272,609 B1	08/07/01	Jeddeloh	711	169	
	AU	6,285,349 B1	09/04/01	Smith	345	147	
	AV	6,301,637 B1	10/09/01	Krull et al.	711	112	
	AW	6,327,642 B1	12/04/01	Lee et al.	711	120	
	AX	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
	AY	6,347,055 B1	02/12/02	Motomura	365	189.05	

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DD	AZ	6,349,363 B2	02/19/02	Cai et al.	711	129	
	BA	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
	BB	6,367,074 B1	04/02/02	Bates et al.	717	11	
	BC	6,373,777 B1	04/16/02	Suzuki	365	230.03	
	BD	6,381,190 B1	04/30/02	Shinkai	365	230.03	
	BE	6,421,744 B1	07/16/02	Morrison et al.	710	22	
	BF	6,434,639 B1	08/13/02	Haghighi	710	39	
	BG	6,463,059 B1	10/08/02	Movshovich et al.	370	389	
	BH	6,470,422 B2	10/22/02	Cai et al.	711	129	
	BI	6,473,828 B1	10/29/02	Matsui	711	104	
	BJ	6,477,592 B1	11/05/02	Chen et al.	710	52	
	BK	6,477,614 B1	11/05/02	Leddige et al.	711	5	
	BL	6,477,621 B1	11/05/02	Lee et al.	711	120	
	BM	6,496,909 B1	12/17/02	Schimmel	711	163	
	BN	6,505,287 B2	01/07/03	Uematsu	711	170	
	BO	6,539,490 B1	03/25/03	Forbes et al.	713	401	
	BP	6,552,564 B1	04/22/03	Forbes et al.	326	30	
	BQ	6,587,912 B2	07/01/03	Leddige et al.	711	5	
	BR	6,590,816 B2	07/08/03	Perner	365	200	
	BS	6,594,713 B1	07/15/03	Fuoco et al.	710	31	
	BT	6,622,227 B2	09/16/03	Zumkehr et al.	711	167	
	BU	6,631,440 B2	10/07/03	Jenne et al.	711	105	
	BV	6,523,092 B1	02/18/03	Fanning	711	134	
	BW	6,523,093 B1	02/18/03	Bogin et al.	711	137	

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DD	BX	2002/0112119 A1	08/15/02	Halbert et al.	711	115	
	BY	2002/0144064 A1	10/03/02	Fanning	711	144	
	BZ	2003/0005223 A1	01/02/03	Coulson et al.	711	118	
	CA	2003/0043426 A1	03/06/03	Baker et al.	359	109	
	CB	2003/0229770 A1	12/11/03	Jeddeloh	711	213	

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							YES	NO
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	CD							
	CE							
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OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

DD	CG	Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178.
DD	CH	Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM", Micron Technology, Inc., 2002, pp. 1-23.
	CI	
	CJ	
	CK	
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